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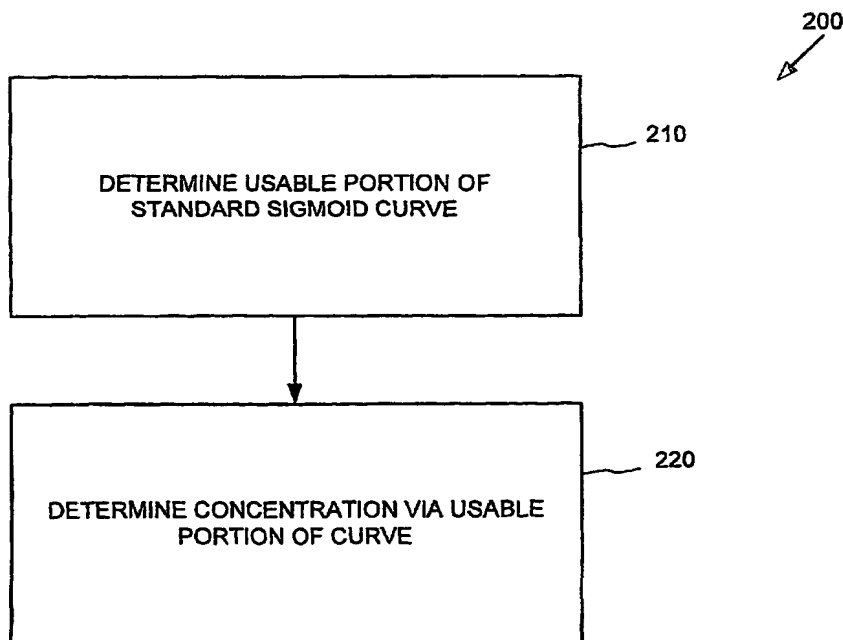
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[Continued on next page]

(54) Title: FINDING USABLE PORTION OF SIGMOID CURVE



(57) Abstract: A usable portion or threshold of a sigmoid curve (210) is found for determining the concentration or presence of a substrate in a test sample (220).



**Declaration under Rule 4.17:**

— of inventorship (Rule 4.17(iv)) for US only

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# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/08566

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C 12 Q 1/06

US CL : 702/23

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : Please See Continuation Sheet

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
Please See Continuation Sheet

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X,P	US 2003/0157498 A1 (EYRE et al) 21 August 2003 (21.08.03), paragraphs 0004, and 0044-0053.	1, 8, 11, 13
X	US 6,503,720 B2 (WITWER et al) 07 January 2003 (07.01.2003), See entire document, specifically Figs. 5 and 6, col. 5, lines 1-17, col. 6, lines 1-27, and Examples 1-3,	1-6, 8-11, 13-22, 24-30
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Y	specifically col. 12, lines 1-32.	7, 12, 23
Y	US 2002/0160012 A1 (KAASTRUP) 31 October 2002 (31.10.2002), paragraphs 0008-0011.	7, 12, 23
A	US 6,514,770 B1 (SORIN) 04 February 2003 (04.02.2003), See entire document.	1-30
A	US 2002/0082386 A1 (MANGOLD et al) 27 June 2002 (27.06.2002), See entire document.	1-30
A	US 2002/0034732 A1 (CAPON et al) 21 March 2002 (21.03.2002), See entire document.	1-30
A	US 6,188,969 B1 (MINOR) 13 February 2001 (13.02.2001), See entire document.	1-30
A	US 5,948,368 A (HIRAI et al) 07 September 1999 (07.09.1999), See entire document.	1-30



Further documents are listed in the continuation of Box C.



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14 March 2005 (14.03.2005)

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# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/US04/08566

## C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5,616,504 A (BROWN et al) 01 April 1997 (01.04.1997), See entire document.	1-30

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/08566

Continuation of B. FIELDS SEARCHED Item 1:

702/23

702/19-32 and search terms (sigmoid, concentration, dilution)

Continuation of B. FIELDS SEARCHED Item 3:

US-PGPUB;USPAT;EPO;JPO;DERWENT;IBM\_TDB

East Text Search Enclosed